BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Roads and Drains at Singapura Paradise and Surrounding Roads in Ward No. 11, Vidyaranyapura Sub Division.

			Estimate Cost Rs.					3000000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 138 / Item No. 19.1 / PWD SR 2014-15**	Cum							
	for Road Work Singapura Paradise		1	80.00	5.00	0.15	60.00		
			1	90.00	5.00	0.15	67.50		
			1	50.00	5.00	0.15	37.50		
	Seenappa Garden		1	100.00	5.00	0.15	75.00		
			1	110.00	5.00	0.15	82.50		
	near Aveksha Hospital		1	100.00	8.00	0.15	120.00		
	Varadarajaswamy layout 2nd Stage		1	300.00	5.00	0.15	225.00		
			1	200.00	5.50	0.15	165.00		
							832.50	75.60	**62937.00**
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	**75.60**							
2	Removing B.S Slab of Drain and stacking **Page No. 25 / Item No. 5.32 / PWD SR 2014-15**	Sqm							
	for Road Work		2	80.00		1.35	216.00		
			2	90.00		1.35	243.00		
			2	50.00		1.35	135.00		
	Seenappa Garden		2	100.00		1.35	270.00		
			2	300.00		1.35	810.00		
			2	200.00		1.35	540.00		
							2214.00	58.32	**129120.00**
	Basic Rate	54.00							
	Area Weightage @ 8%	4.32							
	Total	**58.32**							
3	Removing B.S Slab of Drain and stacking **Page No. 25 / Item No. 5.32 / PWD SR 2014-15**	Sqm							
			Qty Vide Item No. 2				2214.00		
							2214.00	75.60	**167378.00**
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	**75.60**							
4	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per MORTH specification NO. 406, **Page No. 154 / Item No. 20.18 / PWD SR 2014-15**	Cum							
	for Road Work Singapura Paradise		1	80.00	5.00	0.15	60.00		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	90.00	5.00	0.15	67.50		
			1	50.00	5.00	0.15	37.50		
	Seenappa Garden		1	100.00	5.00	0.15	75.00		
			1	110.00	5.00	0.15	82.50		
	near Aveksha Hospital		1	100.00	8.00	0.15	120.00		
	Varadarajaswamy layout 2nd Stage		1	300.00	5.00	0.15	225.00		
			1	200.00	5.50	0.15	165.00		
							832.50	1438.56	**1197601.00**
	Basic Rate	1332.00							
	Area Weightage @ 8%	106.56							
	Total	**1438.56**							
5	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 Kg / sqm using mechnical means complete as per specifications. MORTH specification NO. 502, **Page No. 157 / Item No. 21.6 / PWD SR 2014-15**	Sqm							
	for Road Work Singapura Paradise		1	80.00	5.00		400.00		
			1	90.00	5.00		450.00		
			1	50.00	5.00		250.00		
	Seenappa Garden		1	100.00	5.00		500.00		
			1	110.00	5.00		550.00		
	near Aveksha Hospital		1	100.00	8.00		800.00		
	Varadarajaswamy layout 2nd Stage		1	300.00	5.00		1500.00		
			1	200.00	5.50		1100.00		
							5550.00	31.32	**173826.00**
	asper Revised Basic Rate	29.00							
	Area Weightage @ 8%	2.32							
	Total	**31.32**							
7	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **with 100-120 TPH capacityH.M.P with sensor paver Gr-II (25 mm to 30 mm) with 5 % VG-30 Bitumen Page No. 159 / Item No. 21.20.2 / PWD SR 2014-15**	Cum							
	for Road Work Singapura Paradise		1	80.00	5.00	0.025	10.00		
			1	90.00	5.00	0.025	11.25		
			1	50.00	5.00	0.025	6.25		
	Seenappa Garden		1	100.00	5.00	0.025	12.50		
			1	110.00	5.00	0.025	13.75		
	near Aveksha Hospital		1	100.00	8.00	0.025	20.00		
	Varadarajaswamy layout 2nd Stage		1	300.00	5.00	0.025	37.50		
			1	200.00	5.50	0.025	27.50		
							138.75	8475.84	**1176023.00**
	as per Revised Basic Rate	7848.00							
	Area Weightage @ 8%	627.84							
	Total	**8475.84**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				832.50	73.57	61247.00
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.130 PWD SR 2014-15	63.00							
		68.12							
	Area Weightage @ 8%	5.45							
	Total	**73.57**							
9	Sub Total								**2968132.00**
10	Third Party Inspection Charges								**29681.00**
11	Miscesallaneous Charges	L/S							**2187.00**
								Total	**3000000.00**

(Rupees Thirty Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15.
3 This work included under MLA Grants 2015-16.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Junior Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

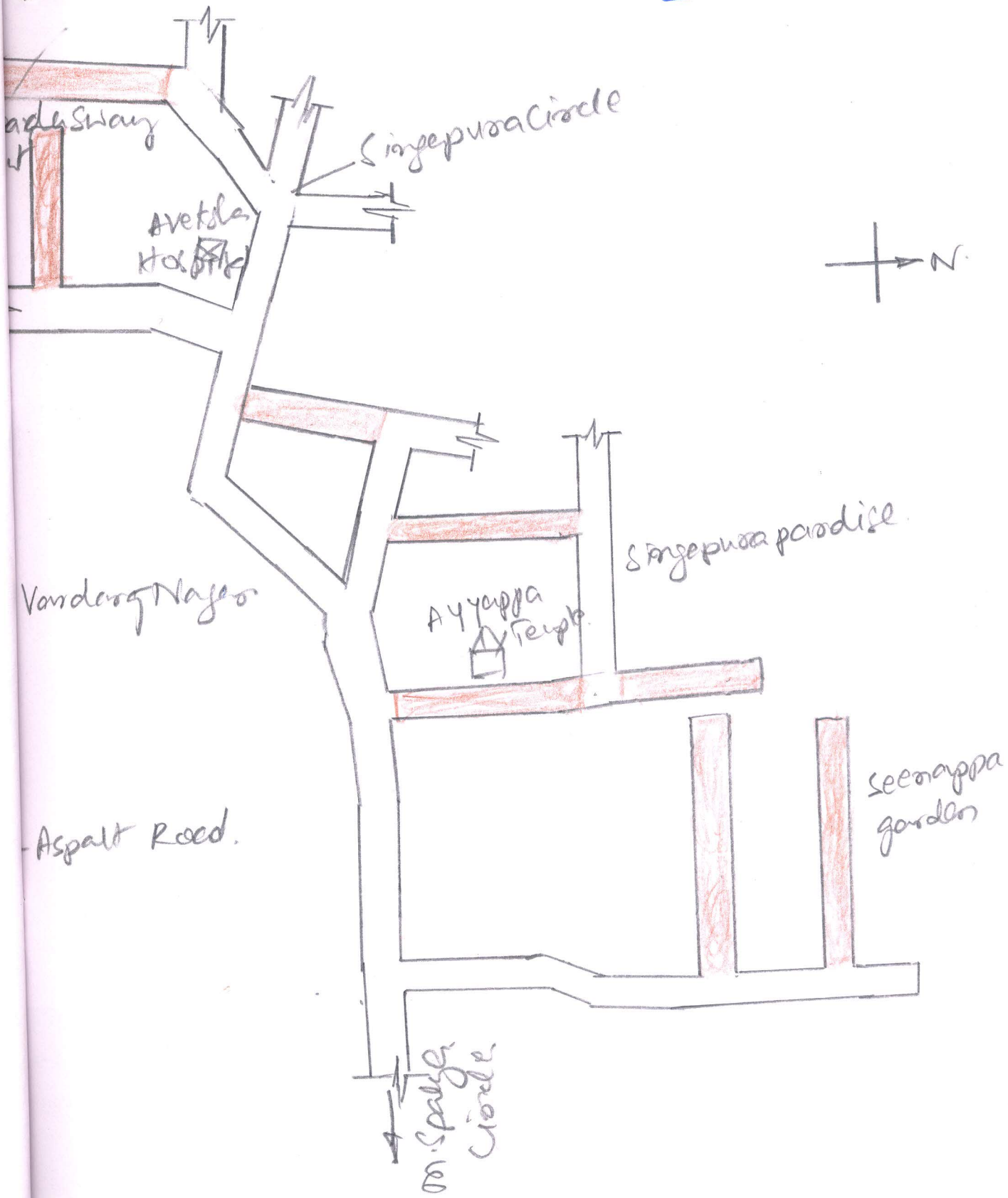
Administrative Approval
Accorded For 30.00 lakh Rs
Head of A/C P3089
CER NO : 31 **Dt:** 19.08.15

TA **CE (YNK)**

Technical Sanction
Accorded For 30.00 lakh Rs
Head of A/C P3089
CER NO : 58 **Dt:** 21.08.15

TA **CE (YNK)**

Name of work:- Improvement to Roads & Drains at Singapura paradise & Surrounding Road in Ward No. 11



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